



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: : PATENT  
JAMES B. CREWS :  
Serial No.: 10/627,091 : Group Art Unit:  
Filed: July 25, 2003 : Examiner:  
For: POLYOLS FOR BREAKING OF : Docket No.: 304-25098-USCP  
FRACTURING FLUID : Date: October 23, 2003

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.56

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

It is respectfully submitted that the art listed on the attached PTO/SB/08A&B be considered in the examination of the subject application and made of record herein. A copy of the non-U.S. patent art is enclosed herewith.

No representation is made or intended that a search has been made or that no better art than is listed is available. This art is provided within three months of the

I hereby certify that this correspondence, and any attachments referred to, is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop Non-Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on

OCTOBER 23, 2003  
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David L. Mossman

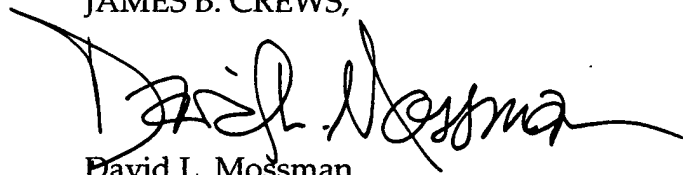
Date

10/23/2003

filing date, and thus no certification is necessary. All of the art is in English, and thus no explanation of its relevance is required.

The Examiner is encouraged to call the Applicant's attorney at the number below for any reason that may advance the prosecution.

Respectfully submitted,  
JAMES B. CREWS,

A handwritten signature in black ink, appearing to read "David L. Mossman", with a long horizontal flourish extending to the right.

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2**Complete if Known**

Application Number	10/627,091
Filing Date	07-25-2003
First Named Inventor	James B. Crews
Art Unit	
Examiner Name	
Attorney Docket Number	304-25098-USCP

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 3,079,332	02-26-1963	Wyant	
		US- 3,215,634	11-02-1965	Walker	
		US- 3,346,556	10-10-1967	Foster	
		US- 3,800,872	04-02-1974	Friedman	
		US- 4,946,604	08-07-1990	Smith	
		US- 5,067,566	11-26-1991	Dawson	
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		US- 5,145,590	09-08-1992	Dawson	
		US- 5,160,445	11-03-1992	Sharif	
		US- 5,160,643	11-03-1992	Dawson	
		US- 5,247,995	09-28-1993	Tjon-Joe-Pin, et al.	
		US- 5,310,489	05-10-1994	Sharif	
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		US- 5,460,226	10-24-1995	Lawson, et al.	
		US- 5,658,861	08-19-1997	Nelson, et al.	
		US- 5,827,804	10-27-1998	Harris, et al.	
		US- 5,877,127	03-02-1999	Card, et al.	
		US- 6,060,436	05-09-2000	Snyder, et al.	
		US- 6,177,385	01-23-2001	Nimerick	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>

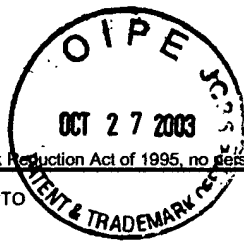
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PTO/SB/08B (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

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Sheet 2 of 2

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		H. DEUEL, et al., "Reaction of Boric Acid with Polysaccharides," Nature, Jan. 17, 1948, pp. 96-97, Vol. 161, No. 4081.	
		"Gelling Mud Slurry by Adding Polymer," Derwent/WPI Abstract, 1976-73139X/197639 to JP 51092508.	
		E.H. AJANDOUZ, et al., "Effects of pH on Caramelization and Maillard Reaction Kinetics in Fructose-Lysine Model Systems," J. Food Science, 2001, pp. 926-931, Vol. 66, No. 7.	
		"Sugar Technology" Available from: <a href="http://www.geocities.com/bimbimbim88/sugar_technology.htm">http://www.geocities.com/bimbimbim88/sugar_technology.htm</a> , 4/7/2003.	
		C.G.A. DAVIES & T. P. LABUZA, "The Maillard Reaction Application to Confectionary Products," pp. 1-33. Available from: <a href="http://www.fsci.umn.edu/Ted_Labuza/PDF_files/papers/maillard-confectionary.pdf">http://www.fsci.umn.edu/Ted_Labuza/PDF_files/papers/maillard-confectionary.pdf</a> , May 20, 2003	
		LEHNINGER, "Chapter 9: Carbohydrates and Glycobiology," pp. 293-303. Available from: <a href="http://www.icb.ufmg.br/~lbcd/cromatina/Lehninger/lehn09.pdf">http://www.icb.ufmg.br/~lbcd/cromatina/Lehninger/lehn09.pdf</a> , May 20, 2003.	

Examiner Signature		Date Considered	
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